[0025] Any variation of the device may contain a solar power cell and battery for duel independent power. A third power source may consist of a remote charging base or POP divider placement-charging rail that is attached to the POP counter. The divider may have a notification indicator to notify the check out clerk that the customer has purchase data to be processed on the divider. Any variation will contain an internal individual identification serial number.

DISCRIPTION OF DRAWINGS

[0026] **FIG. 1** shows the point of purchase counter, divider in stand by in rail or charging rail, divider being used on conveyer, store computer data base, divider system computer, register, counter bar code scanner, hand held bar code scanner, infrared data port, wireless data transceiver for the dividers and outside communications link.

[0027] **FIG. 2** shows a variation of the retail transaction divider with touch menu display, solar charging cell, check out notification indicator and LCD bar code display.

[0028] **FIG. 3** shows a variation of the retail transaction divider with touch keyboard, solar charging cell, check output notification indicator and LCD bar code display.

[0029] **FIG. 4** shows a variation of the retail transaction divider with touch menu display, check out notification indicator, solar charging cell, card reading swipe slot, infrared 2-way data port and bar code scanner window and base charging contacts.

[0030] **FIG. 5** shows a variation of the main touch menu display layout, configuration and commands.

[0031] **FIG. 6** shows a representation of a bar code tag to be self bar code scanned **(FIG. 7)**.

[0032] **FIG. 7** shows the divider in the proximity of the bar code **(FIG. 6)** that is to be scanned.

[0033] **FIG. 8** shows an interactive weight scale and wireless data transceiver.

[0034] **FIG. 9** shows a grocery cart sitting on a pressure sensitive weight scale matt and transceiver.

[0035] **FIG. 10** shows a variation of a touch keypad and fixed commands.

[0036] **FIG. 11** shows a variation of LCD bar code display and progression of sectional readout.

DETAILED DESCRIPTION OF THE INVENTION

[0037] **FIG. 1**. Illustrates how the divider is used at the (point of purchase) POP counter. The divider **30, 34, 36** will sit in the standby rail **29** where the customer may pick it up or place it at the time of checkout The divider will be placed on the POP counter **20** between product purchases by the customer **28**. One variation method of divider customer check out placement is if the store elects to use electronic check out placement. The customer will enter on the divider to check out **89**. A number is electronically assigned to the customer and called up when it's their turn to complete the retail transaction. This method will eliminate the type of long and uneven grocery lines that are now common. In this case the divider also functions as a customer and purchased product placement divider as if it were placed on the POP counter. The variation with the LCD **67** bar code data transfer display will work in conjunction with the POP bar code scanner **22**. The check out clerk will scan the LCD bar code **77** that will match the bar code with the store database **25**. The LCD bar code may also be scanned with a hand held scanner **27**. The transaction is reflected on the customer receipt printed by the register system **21**.

[0038] The LCD bar code display variation may contain a touch keyboard **FIG. 3, 36** or a touch menu display **FIG. 2, 34**. The touch keyboard **66** will contain printed numbers or text for the key commands. It will also contain menu instructions and key prompts that are displayed on the LCD **67**. When the customer chooses one or a combination of keys **66** the divider will recall a bar code either stored internally in the divider or on a dividers system computer. The scanned bar code is matched with the store database **25**, product and price. The keys selected **FIG. 10**,—**81, 82, 83** will appear on the LCD FIGS. **11**—**75**. The LCD section **76**—B is the menu driven instruction and prompt section. Section B frames are an example of the menu prompt commands. The LCD section **77** will display the bar code to be scanned by the check out clerk. LCD section **78** will contain electronic advertising that is stationary or moving. Touch keys **80** are function keys such as on, clear, scroll, and download. Numbered keys will be to enter a product and bar code to be displayed on the LCD. Keys with $ symbol **82** will be for monetary entry as part of the transaction. The LCD variation may also contain a touch menu display **53** in place of a touch keyboard. The touch menu display variation **53** will be able to access more menu options. This variation may use a wireless method of RF, infrared or microwave to exchange data with the divider system computer **23** or store data base computer **25**. In a wireless variation data can be transmitted to the divider or from the divider depending on the stores need in a system.

[0039] Any variation may contain solar charging cells **56** to supplement battery power. Another power source may be an external charger with charging contacts **57** provided on the divider. A small external check out indicator **55** may be located on any variation to alert the check out clerk of a pending check out transaction. After the LCD bar code is scanned the checker will use the clear key **80**F and place the divider for the next customer. The customer receives the transaction printed on a receipt.

[0040] A variation of the most capable divider and system **FIG. 4** will include a touch screen menu display **53**, a solar cell **54** for system power and battery charging, a check out clerk notification indicator **55**, a card swipe slot **58-52** for store, debit, credit or smart cards, an infrared data exchange port **50**, an internal bar code scanner **51**, battery charging contacts **57** for the internal battery, audio capabilities, video capabilities and wireless data transceiver. External components are a divider system computer **23** wireless data transceiver system **26** to communicate with the dividers as individual units, weight scales **40** and connecting transceiver **89** for data relay to the system computer transceiver **23**, grocery cart weight scales **38** to weigh scanned products and cart **90** at check out and transceiver for the weight scale systems **89, 91** to relay data to the divider system computer. The retail tasks it will perform **FIG. 5** (but not limited to) will be providing store information **86** and announcements, advertising **87** (still, scroll, audio, video), product updates **89** or announcements, electronic coupons **89** and product dis-